



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090817

Mode: Highway

Status: Submitted

US-1, US-158

From/Cross Street: Granville County Line

Specific Improvement Type: 1 - Widen Existing Roadway

To: Warren County Line

Project Category: Regional Impact

Length: 11.31

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$63,966,000

Description:

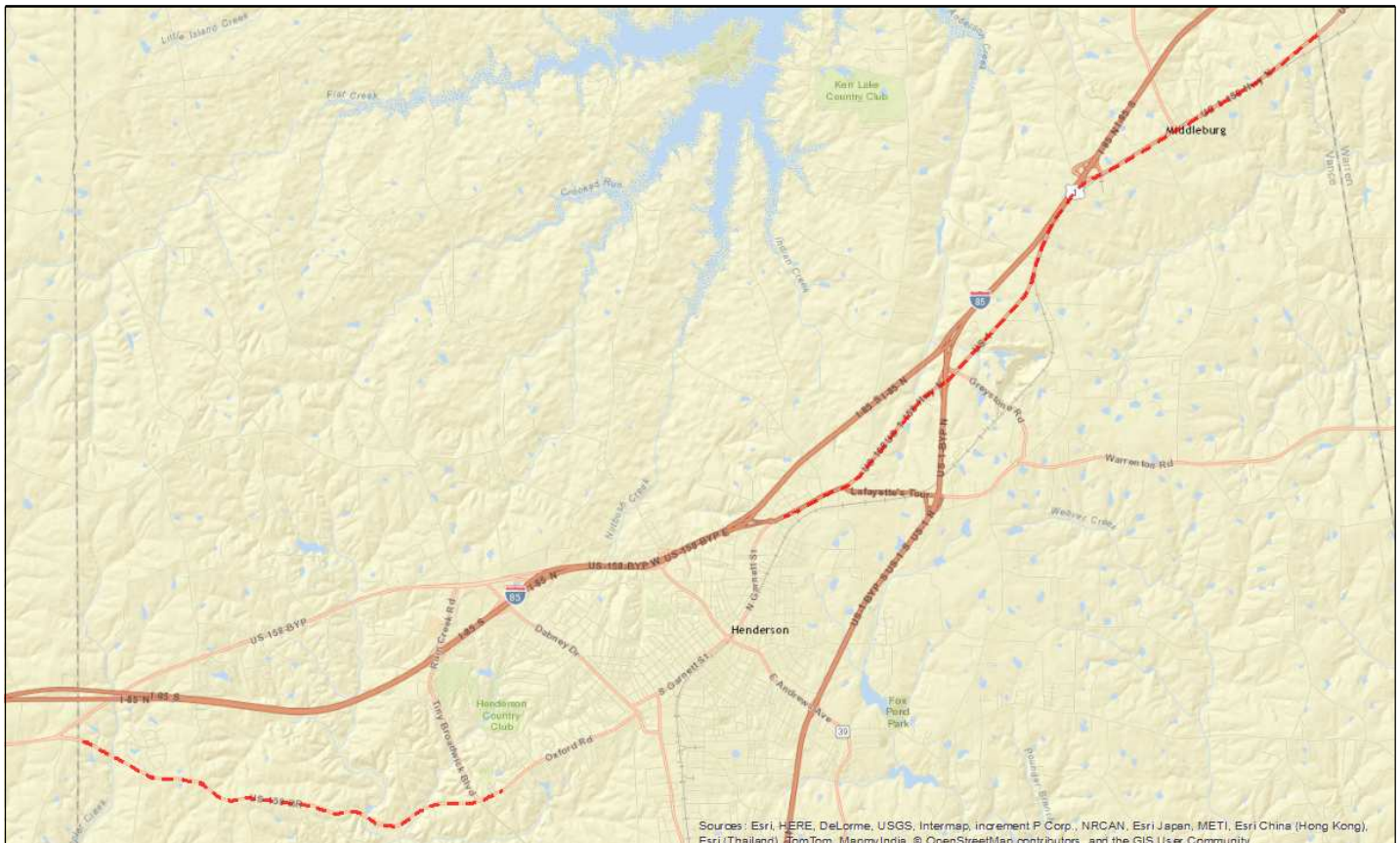
Widen US 1/158 Through Vance County to Four Lanes from Granville County Line to the City of Henderson and from the City of Henderson to the Warren County Line

Division(s): Division 5

County(s): VANCE, GRANVILLE, WARREN

MPOS(s)/RPO(s): Kerr-Tar RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 28.15

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (25%) 0.05 Congestion (V/C) (25%) 18.99 Accessibility / Connectivity (10%) 23.46 Safety (10%) 60.43	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 13.15		

Division Needs Total Score: 9.85

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 18.99 Safety (10%) 60.43 [Travel Time] Benefit/Cost (20%) 0.05	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 9.85		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	53
Length (miles):	11.31
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	4485.84
Capacity:	15656.61
Volume/Capacity Ratio:	0.29
% Autos:	93%
% Trucks:	7%
Truck Volume:	334.03
Crash Density:	61.59
Crash Severity:	59.93
Critical Crash Rate:	59.8
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	96
Actual Congested Speed:	27.89
Travel Time Index:	1.17

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	53
Length (miles):	11.31
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	149357.94
Travel Time Savings for 30 Years (Autos):	138236.19
Travel Time Savings for 30 Years (Trucks):	11121.75
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Kerr-Tar RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$31,464,000	TIP Unit
Right-of-Way Cost:	\$29,020,000	Cost Estimation Tool
Utilities Cost:	\$3,482,000	Cost Estimation Tool
Total Project Cost:	\$63,966,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$63,966,000	